

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**



Declaration
Submitted
with Initial
Filing

OR



Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney D ck t Numb r

D-487

First Named Invent r

Simburger, Edward J.

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Thin Film Solar Cell Inflatable Ultraviolet Rigidizable Deployment Hinge

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/>		Customer Number <input type="text"/> or Bar Code Label <input type="text"/>		OR <input checked="" type="checkbox"/> Correspondence address below	
Name The Aerospace Corporation, Ms. Carole A. Mulchinski					
Address 2350 East El Segundo Boulevard					
Address M1/040					
City El Segundo		State CA		ZIP 90245	
Country U.S.		Telephone 310-336-6709		Fax 310-336-0285	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>					
NAME OF SOLE OR FIRST INVENTOR :		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) Edward J.			Family Name or Surname Simburger		
Inventor's Signature <i>Edward J. Simburger</i>				Date 4-30-2003	
Residence: City Agoura		State CA		Country U.S.	
				Citizenship U.S.	
Mailing Address 6256 Yerba Seca					
City Agoura		State CA		ZIP 91301	
				Country U.S.	
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) James H.			Family Name or Surname Matsumoto		
Inventor's Signature <i>James H. Mats</i>				Date Jan 22, 2004	
Residence: City Los Angeles		State CA		Country U.S.	
				Citizenship U.S.	
Mailing Address 7845 Midfield Avenue					
City Los Angeles		State CA		ZIP 90045	
				Country U.S.	
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>3</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

Please type a plus sign (+) inside this box →



PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION
ADDITIONAL INVENTOR(S)
Supplemental Sheet
 Page 2 of 2

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Thomas W.		Giants	
Inventor's Signature <i>Thomas W. Giants</i>		Date 5/2/03	
Residence: City Santa Monica	State CA	Country U.S.	Citizenship U.S.
Mailing Address 1330 California Avenue, #6			
Mailing Address			
City Santa Monica	State CA	ZIP 90403	Country U.S.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Alec		Garcia, III	
Inventor's Signature <i>Alec Garcia</i>		Date 5/1/2003	
Residence: City Santa Clarita	State CA	Country U.S.	Citizenship U.S.
Mailing Address P.O. Box 800787			
Mailing Address			
City Santa Clarita	State CA	ZIP 91380	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Alan R.		Perry	
Inventor's Signature See page 4 of declaration for original signature		Date	
Residence: City Conifer	State CA	Country U.S.	Citizenship U.S.
Mailing Address 8380 South Warhawk Road			
Mailing Address			
City Conifer	State CA	ZIP 80433	Country U.S.

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Page 4 of 8

Please type a plus sign (+) inside this box → ☐PTO/SB/02A (11-00)
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 4 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Thomas W.		Giants	
Inventor's Signature <i>Thomas W. Giants</i>		Date 5/2/03	
Residence: City Santa Monica	State CA	Country U.S.	Citizenship U.S.
Mailing Address 1330 California Avenue, #6			
Mailing Address			
City Santa Monica	State CA	ZIP 90403	Country U.S.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Alec		Garcia, III	
Inventor's Signature <i>Alec Garcia</i>		Date 5/1/03	
Residence: City Santa Clarita	State CA	Country U.S.	Citizenship U.S.
Mailing Address P.O. Box 800787			
Mailing Address			
City Santa Clarita	State CA	ZIP 91380	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Alan R.		Perry	
Inventor's Signature <i>Alan R. Perry</i>		Date 7-17-03	
Residence: City Conifer	State CA	Country U.S.	Citizenship U.S.
Mailing Address 8380 South Warhawk Road			
Mailing Address			
City Conifer	State CA	ZIP 80433	Country U.S.

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

5

Page 5 of 8

Please type a plus sign (+) inside this box →



PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

Page 1 of 2

Name of Additional Joint Inventor, if any:☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))

Family Name or Surname

Suraj

Rawal

Inventor's
Signature

Suraj Rawal

Date 7/15/02

Residence: City Littleton

State CO

Country U.S.

Citizenship U.S.

Mailing Address 6391 South Saulsbury Street

Mailing Address

City Littleton

State CO

ZIP 80123

Country U.S.

Name of Additional Joint Inventor, if any:☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))

Family Name or Surname

Craig H.

Marshall

Inventor's
Signature

Craig H Marshall

Date 7-17-03

Residence: City Littleton

State CO

Country U.S.

Citizenship U.S.

Mailing Address 7039 South Windermere Street

Mailing Address

City Littleton

State CO

ZIP 80120

Country U.S.

Name of Additional Joint Inventor, if any:☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))

Family Name or Surname

John K. H.

Lin

Inventor's
Signature

See page 6 of declaration for original signature

Date

Residence: City Middletown

State DE

Country U.S.

Citizenship U.S.

Mailing Address 1004 Sugartown Circle

Mailing Address

City Middletown

State DE

ZIP 19709

Country U.S.

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



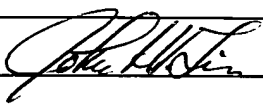
PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)****Supplemental Sheet**Page 12 of 12

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Suraj		Rawal	
Inventor's Signature See page 5 of declaration for original signature		Date	
Residence: City Littleton	State CO	Country U.S.	Citizenship U.S.
MailingAddress 6391 South Saulsbury Street			
MailingAddress			
City Littleton	State CO	ZIP 80123	Country U.S.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Craig H.		Marshall	
Inventor's Signature See page 5 of declaration for original signature		Date	
Residence: City Littleton	State CO	Country U.S.	Citizenship U.S.
MailingAddress 7039 South Windermere Street			
MailingAddress			
City Littleton	State CO	ZIP 80120	Country U.S.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
John K. H.		Lin	
Inventor's Signature 		Date 8/13/03	
Residence: City Middletown	State DE	Country U.S.	Citizenship U.S.
MailingAddress 1004 Sugartown Circle			
MailingAddr ss			
City Middletown	State DE	ZIP 19709	Country U.S.

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →


 PTO/SB/02A (11-00)
 Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>7</u> of <u>11</u>
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Jonathan Robert		Day	
Inventor's Signature		Date 8/27/03	
Residence: City Dover	State DE	Country U.S.	Citizenship U.S.
Mailing Address 39 Periwinkle Court			
Mailing Address			
City Dover	State DE	ZIP 19904	Country U.S.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Thomas W.		Kerslake	
Inventor's Signature See page 8 of declaration for original signature		Date	
Residence: City Strongsville	State OH	Country U.S.	Citizenship U.S.
Mailing Address 14000 Blackberry Circle			
Mailing Address			
City Strongsville	State OH	ZIP 44136	Country U.S.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Stephen E.		Scarborough	
Inventor's Signature		Date 7/30/03	
Residence: City Seaford	State DE	Country U.S.	Citizenship U.S.
Mailing Address 512 Concord Road			
Mailing Address			
City Seaford	State DE	ZIP 19973	Country U.S.

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐PTO/SB/02A (11-00)
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page of

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Jonathan Robert		Day	
Inventor's Signature See page 7 of declaration for original signature		Date	
Residence: City Dover	State DE	Country U.S.	Citizenship U.S.
Mailing Address 39 Periwinkle Court			
Mailing Address			
City Dover	State DE	ZIP 19904	Country U.S.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Thomas W.		Kerslake	
Inventor's Signature <i>Thomas W. Kerslake</i>		Date 7/14/03	
Residence: City Strongsville	State OH	Country U.S.	Citizenship U.S.
Mailing Address 14000 Blackberry Circle			
Mailing Address			
City Strongsville	State OH	ZIP 44136	Country U.S.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Stephen E.		Scarborough	
Inventor's Signature See page 7 of declaration for original signature		Date	
Residence: City Seaford	State DE	Country U.S.	Citizenship U.S.
Mailing Address 512 Concord Road			
Mailing Address			
City Seaford	State DE	ZIP 19973	Country U.S.

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.